"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964530003-0

GINZBURG, V.L.; ZHARKOV, G.F.

Pion and beta radiation of protons moving in a magnetic field. Zhur.eksp. i teor.fiz. 47 no.6:2279-2284 D '64.

(MIRA 18:2)

1. Fizicheskiy institut imeni Lebedeva AN SSSR.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964530003-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964530003-0

Card 1/2

losses. The author thanks V. L. Ginzburg and V. I. Ritus for continuous interest in the work and for valuable discussions." Orig. art. has: 49 formulas.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964530003-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964530003-0

ACCESSION NR: AP5001853 S/0056/64/047/006/2279/2284

TOPIC TAGS: synchrotron radiation, pion radiation, beta radiation, proton

ABSTRACT: The authors estimate the energy losses associated with cyclotron

pion. The purpose of the estimate was to ascertain whether it is possible for non-electromagnetic cyclotron radiation losses to exceed, in principle, the

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964530003-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964530003-0

L 22146-65

ACCESSION NR: AP5001853

ratio of μ-positron or pion losses to electromagnetic losses is approximately 10^{-10} even if the proton energy is assumed to be 10^{28} eV, so that the energy losses of the proton due to the reactions in question can be neglected. Orig. art. has: 22 formulas.

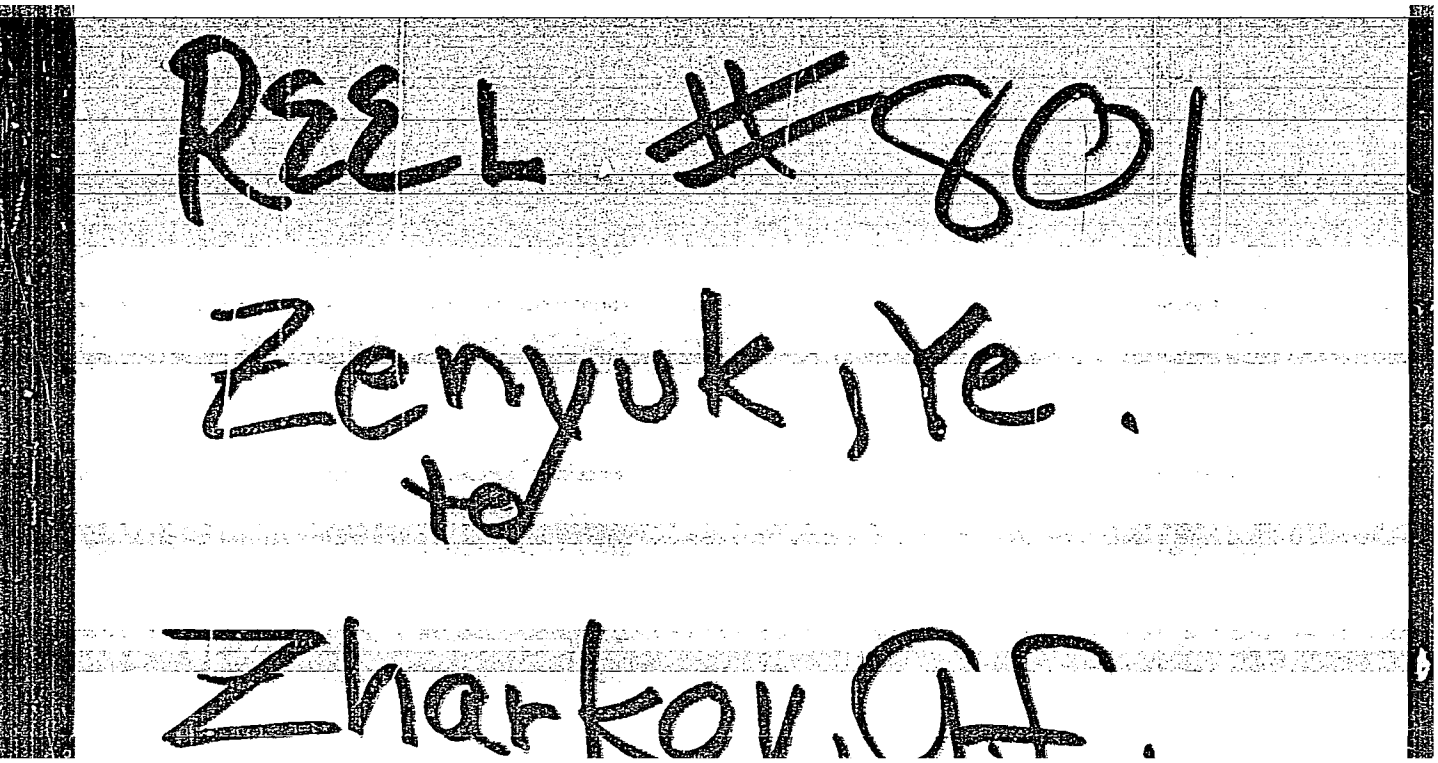
ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physics Institute, Academy of Sciences SSSR)

SUBMITTED: 24Jun64 ENCL: 00

SUB CODE: NP NR REF SOV: 008 OTHER: 001

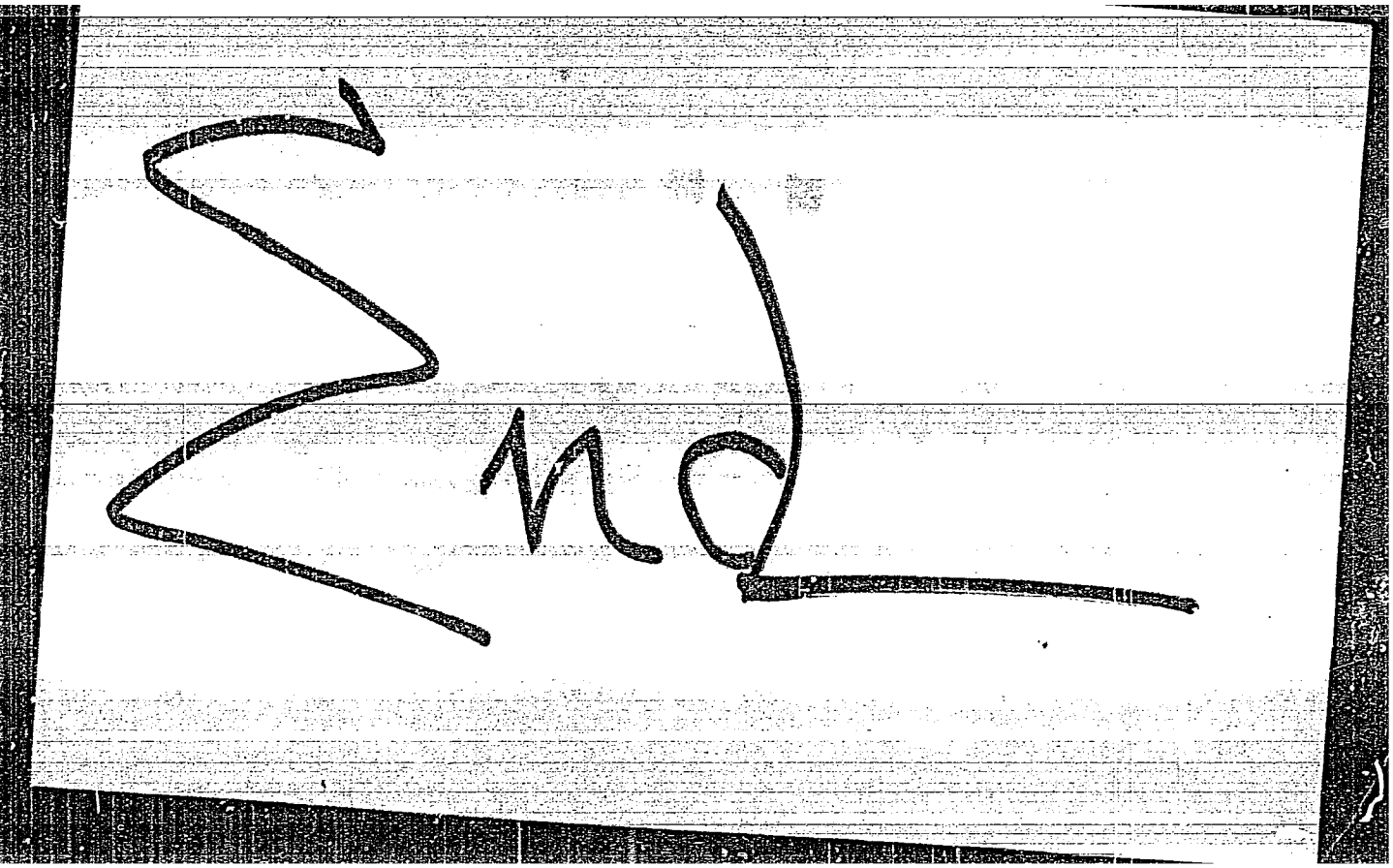
APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964530003-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964530003-0



APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964530003-0"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964530003-0



APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964530003-0"